

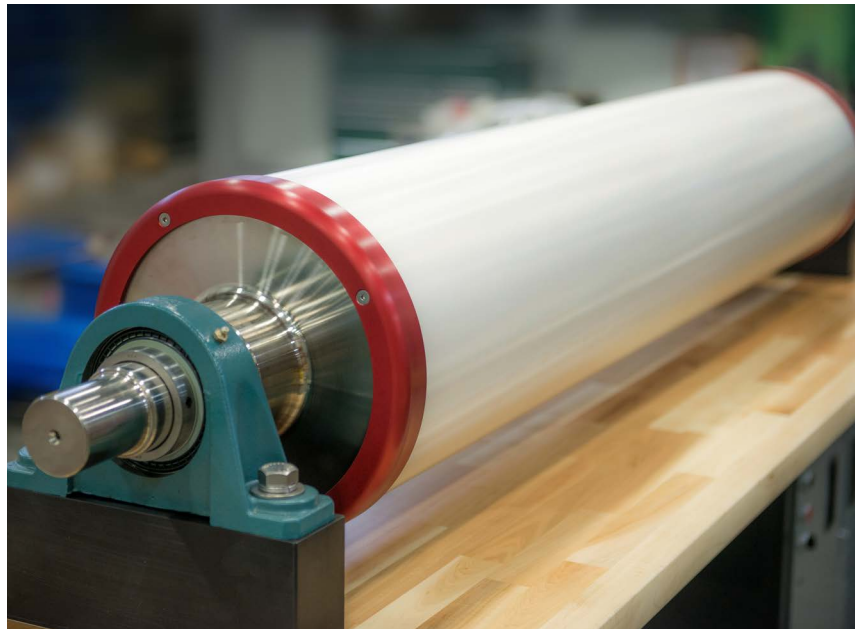


Isolate Tension without Nip Rollers or S-Wraps

Webex Vacuum Rolls provide an ideal solution for applications in which nip rolls or contact with both sides of a web is not possible or desired. They are also an excellent tension isolation and control point ahead of flotation ovens, where webs are coated on both sides. By drawing one web surface into contact with the roll, Vacuum Rolls increase friction forces and help prevent web slippage.

In addition, the Vacuum Rolls incorporate a smooth, ultra-fine, seamless, nickel screen that provides consistent grip across the entire width of the web, without damaging even the most delicate coated materials.

Webex vacuum rolls have been proven in the most critical applications, such as the production of ultra-thin coated films, pressure sensitive papers, decorative products, adhesive tapes and optical film for the aerospace, biomedical and pharmaceutical industries.



GENERAL SPECIFICATIONS

Base Materials

Aluminum
Stainless steel
Carbon Steel

Nominal Roll Diameters

Standard Screens
203, 264, 324, 407 mm
(8, 10.38, 12.75, 16 inches)

Seamless Screens
204, 261 and 324 mm
(8.02, 10.26 and 12.75 inches)

Face Length

Up to 4,000 mm (156 inches)

Finish

Tungsten Carbide (Plasma)
Rubber

Protective Screens

100 mesh wire screen:
hole diameter of 125 microns
(0.005 inch)

125 mesh seamless screen:
hole diameter of 79 microns
(0.003 inch)

Customization

Custom vacuum supply
connections, blowers and drives
available

KEY FEATURES

- Protective screens provide consistent grip across the entire width of the web, and extra protection for sensitive materials
- Ultra-fine, seamless and nickel screens for the most delicate coated materials
- Vacuum zones to suit specific wrap angles
- Variable vacuum zone width accommodates different web widths
- Clean room and cantilevered designs available

NOMENCLATURE



IDEAL APPLICATIONS

- Controlling/transporting webs with coating or adhesives on one side
- Controlling webs made of sensitive materials, such as optical film
- Web positioning and control at high speeds
- Handling/stabilizing webs in low-tension operations
- Handling webs requiring a pull roll without a nip.
- Separating layers of a web
- Isolating web tension



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